

SYSTEMS THINKING

Working Together to Create a Sustainable World!

Peter Senge

"SYSTEM"
think of a family

Sometimes, consistent outcomes that nobody wants... What's happening?

Attention
What are we paying attention to?

WE ARE ALL PART OF A LARGER SYSTEM!

there's a larger system at work

Coca Cola... Goal: reduce water use

WATER Scarcity

WWF "you use hundreds of liters for a liter of Coke"

...To grow the Sugar

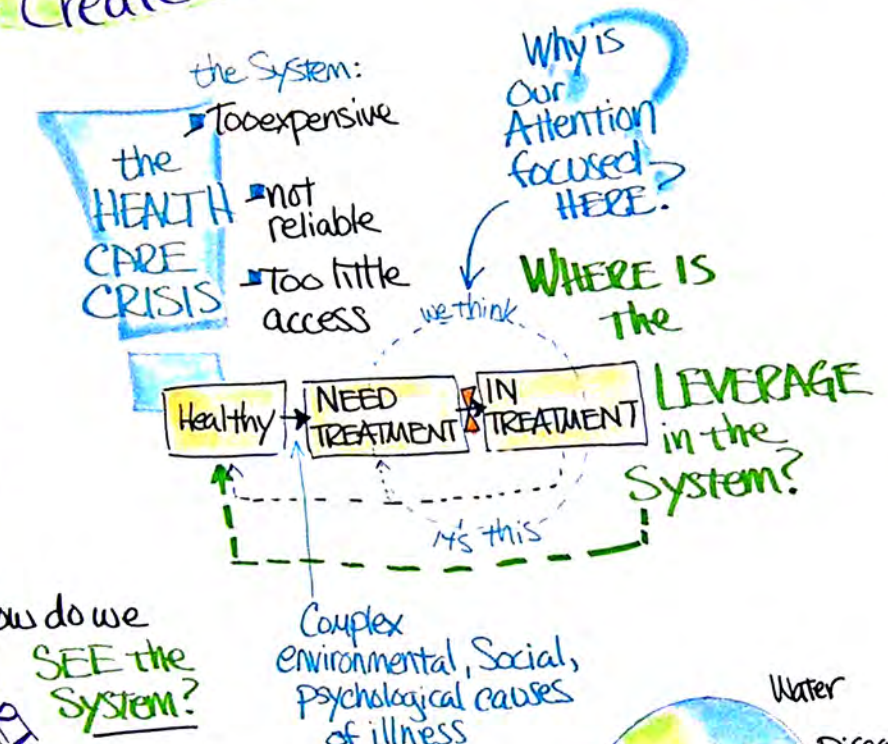
The CEO water Mandate: learn how to manage water... sources, uses

Political & Economic Clout

Singapore Knows!

- recycled water
- See Sources

SHARED STEWARDSHIP



MANAGE the System?

Collaboration is the human face of Systems Thinking

OXFAM: the biggest threat to poor people in the world is climate change

Water Disease

a SOCIAL, ECONOMIC, and ENVIRONMENTAL PROBLEM

SEE the System we're a part of ... then ASK Where is the LEVERAGE?

BETTER HEALTH
BETTER QUALITY
LOWER COST

We can only get all THREE!

Gets lots of people working Together

WOMEN and YOUNG People
area force for Collaboration

South Africa
a problem with collaboration ... too individualistic

the Consultants helped

use collaboration

"It's us, we're causing the problem"

Children are Natural Systems Thinkers

Quality Conversations

Collaboration

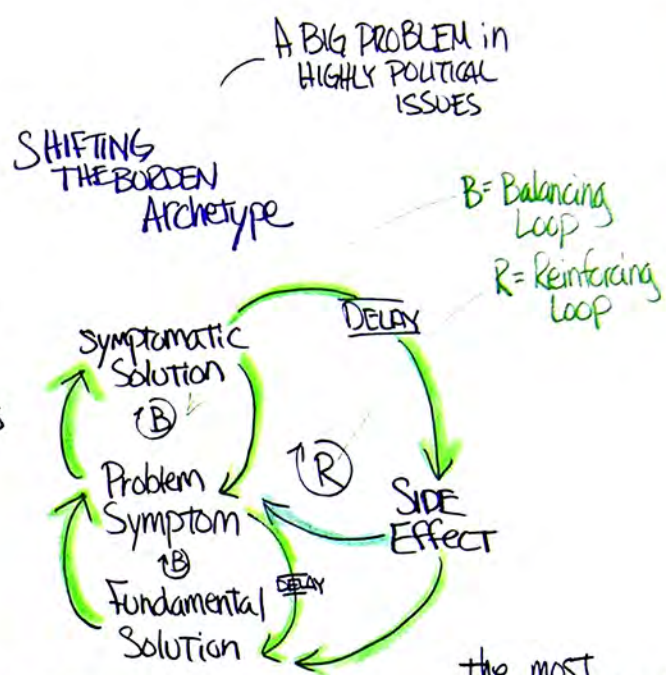
the kids get Systems

Distinguishing High vs. Low LEVERAGE?

SHORT TERM vs. LONG TERM

attractive but low leverage: the Symptomatic Solution

Pressure for Short Term RESULTS



We are NATURAL SYSTEMS THINKERS!

Why are Systems so RIGID?

MENTAL MODELS

RECOGNIZING Patterns?
focus on the PATTERN, not on the details

What's YOUR STORY?